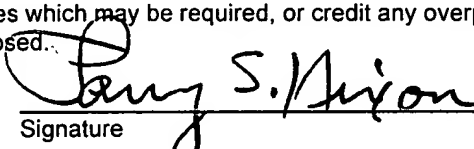


30 Recd PCT/PTO 12 MAR 1998

FORM PTO-1390 (REV. 5/93)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket Number 36-1136
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. Application No. (if known, see 37 C.F.R. 1.5) 09/043171 Unknown
International Application No. PCT/GB97/00060	International Filing Date 9 January 1997	Priority Date Claimed 15 January 1996	
Title of Invention WAVEFORM SYNTHESIS			
Applicant(s) For DO/EO/US McLaughlin et al			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.			
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>6. <input type="checkbox"/> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>7. <input type="checkbox"/> b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p>8. <input type="checkbox"/> c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>9. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>10. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>11. <input type="checkbox"/> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>12. <input type="checkbox"/> b. <input type="checkbox"/> have been transmitted by the International Bureau</p> <p>13. <input type="checkbox"/> c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>14. <input type="checkbox"/> d. <input type="checkbox"/> have not been made and will not be made.</p> <p>15. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (U.S.C. 371(c)(3)).</p> <p>16. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>17. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>18. <input type="checkbox"/> The above checked items are being transmitted:</p> <p>19. <input type="checkbox"/> a. <input type="checkbox"/> before the 18th month publication.</p> <p>20. <input type="checkbox"/> b. <input type="checkbox"/> after publication and the Article 20 communication but before 20 months from the priority date.</p> <p>21. <input type="checkbox"/> c. <input type="checkbox"/> after 20 months.</p> <p>22. <input checked="" type="checkbox"/> d. <input checked="" type="checkbox"/> by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>23. <input type="checkbox"/> e. <input type="checkbox"/> after 30 months.</p> <p>Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted (1) after 20 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date, or (2) after 30 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.</p> <p>24. <input type="checkbox"/> At the time of transmittal, Amendments to the claims under Article 34</p> <p>25. <input type="checkbox"/> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>26. <input type="checkbox"/> b. <input type="checkbox"/> have been transmitted by the International Bureau</p> <p>27. <input type="checkbox"/> c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>28. <input type="checkbox"/> d. <input type="checkbox"/> have not been made and will not be made.</p> <p>29. <input type="checkbox"/> Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on _____, namely:</p> <p>30. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>31. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>32. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>33. <input type="checkbox"/> A SECOND OR SUBSEQUENT preliminary amendment.</p> <p>34. <input type="checkbox"/> A substitute specification.</p> <p>35. <input type="checkbox"/> A change of power of attorney and/or address letter.</p>			

19. <input checked="" type="checkbox"/> Other items or information: PTO-1449 and International Search Report						CALCULATION S		PTOUSE ONLY	
20. <input checked="" type="checkbox"/> The following fees are submitted:									
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) -- Search Report has been prepared by the EPO or JPO\$930.00 -- International preliminary examination fee paid to USPTO (37 CFR 1.492).....\$720.00 -- No international preliminary examination fee paid to USPTO (37 CFR 1.492) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....\$790.00 -- Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$1,070.00 -- International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provision of PCT Article 33(1) to (4).....\$98.00									
ENTER APPROPRIATE BASIC FEE AMOUNT =						\$	930.00		
Surcharge of \$130.00 for furnishing the National fee or oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 mos. from the earliest claimed priority date (37 CFR 1.492(e)).						\$	0.00		
CLAIMS		NUMBER FILED		NUMBER EXTRA		RATE			
Total Claims		15		-20 =		0			
						X		\$22.00	
Independent Claims		4		-3 =		1			
						X		\$82.00	
Multiple Dependent Claims(s) (if applicable)						+\$270.00			
TOTAL OF ABOVE CALCULATIONS =						\$	1012.00		
Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (Note 37 CFR 1.9, 1.27, 1.28).							0.00		
SUBTOTAL =						\$	1012.00		
Processing fee of \$130.00, for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 mos., from the earliest claimed priority date (37 CFR 1.492(f)).							0.00		
TOTAL NATIONAL FEE =						\$	1012.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						\$	40.00		
Fee for Petition to Revive Unintentionally Abandoned Application (\$1,320 - Small Entity Fee = \$660)						\$	0.00		
TOTAL FEES ENCLOSED =						\$	1052.00		
						Amount to be refunded		\$	
						Charged		\$	
a. <input checked="" type="checkbox"/> A check in the amount of \$1052.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1140</u> . A <u>duplicate</u> copy of this form is enclosed.						 Signature			
SEND ALL CORRESPONDENCE TO: NIXON & VANDERHYE P.C. 1100 North Glebe Road, 8th Floor Arlington, Virginia 22201 Telephone: (703) 816-4000						Larry S. Nixon Name			
						25,640		March 12, 1998	
						Registration Number		Date	